

# HD-MA Image Comparison System

## with Customer Management System

### User's Manual

**System requirement:**

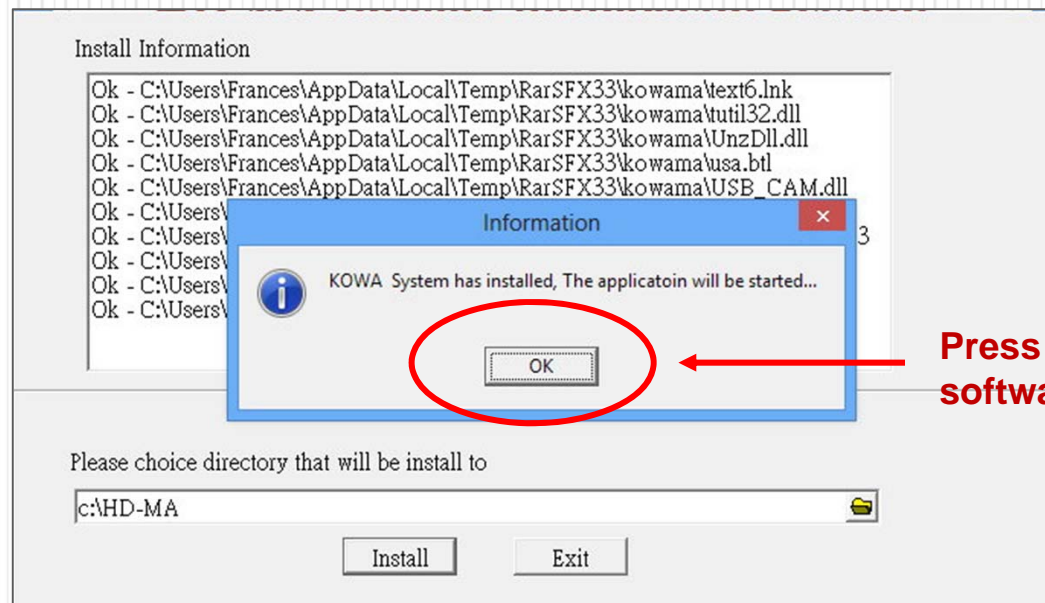
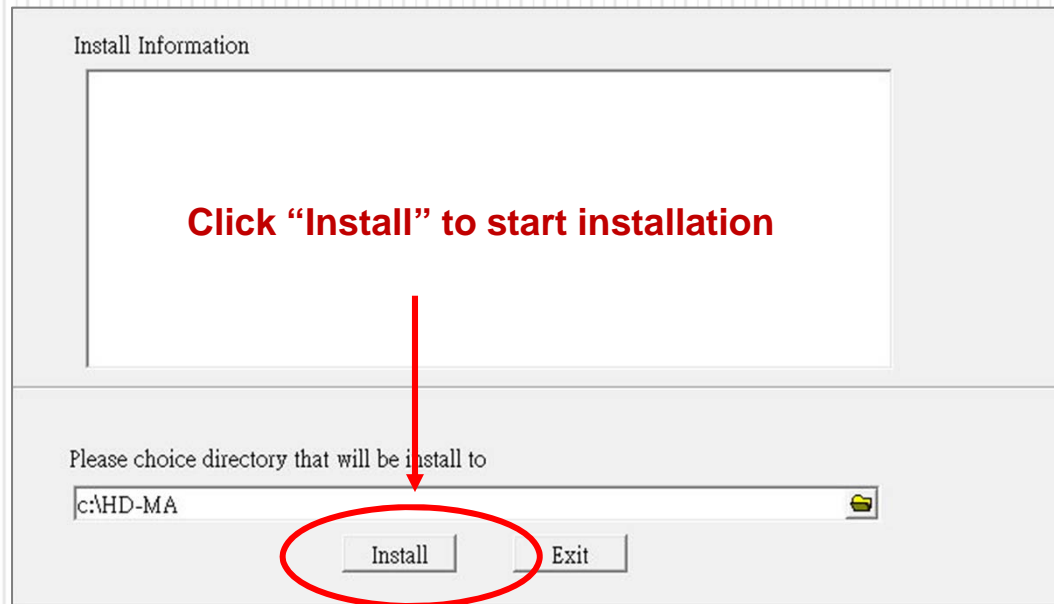
- a. IBM compatible PC
- b. CPU: P4 ; 40G HDD 1.5G Hz or up
- c. RAM: 512M above
- d. VGA memory: 32M or above

**Required OS:** Windows XP, VISTA, 7 & 8

## Software Installation

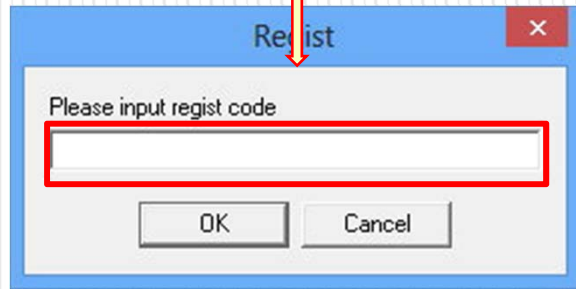
Insert the software CD-R into the CD-ROM drive , select the language version you need to start installation.





Press "OK" to start 1st entry the software system.

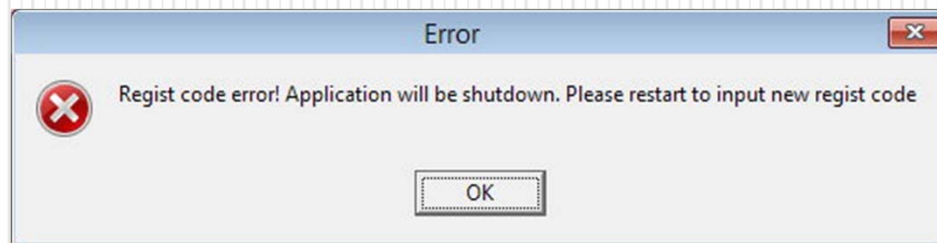
**1<sup>st</sup> entry the software, please make sure the main unit connect to computer and powered on.**  
**You should input the private password (regist code) for your right unit.**  
**(\* The regist code is on the sticker of software CD.)**



**\* After then, double click “HD-MA” icon on the screen (desktop) of PC to enter system every time.**



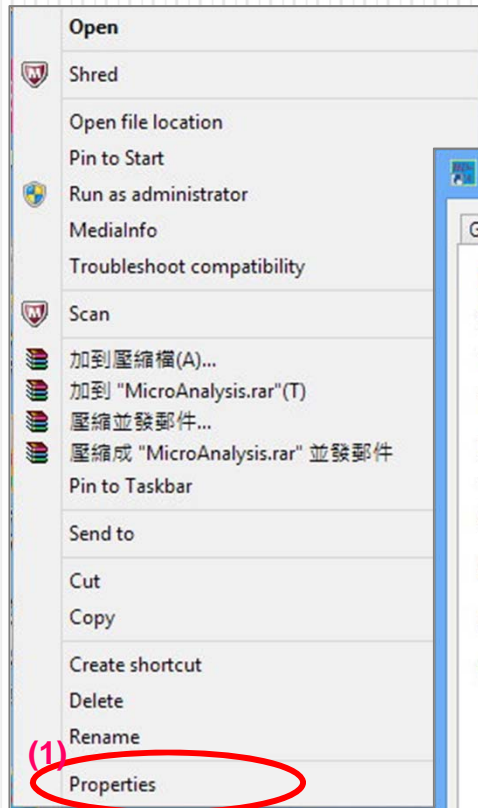
If the main unit and computer are not connected & powered on, the error message will appear while clicking “HD-MA” icon from desktop.



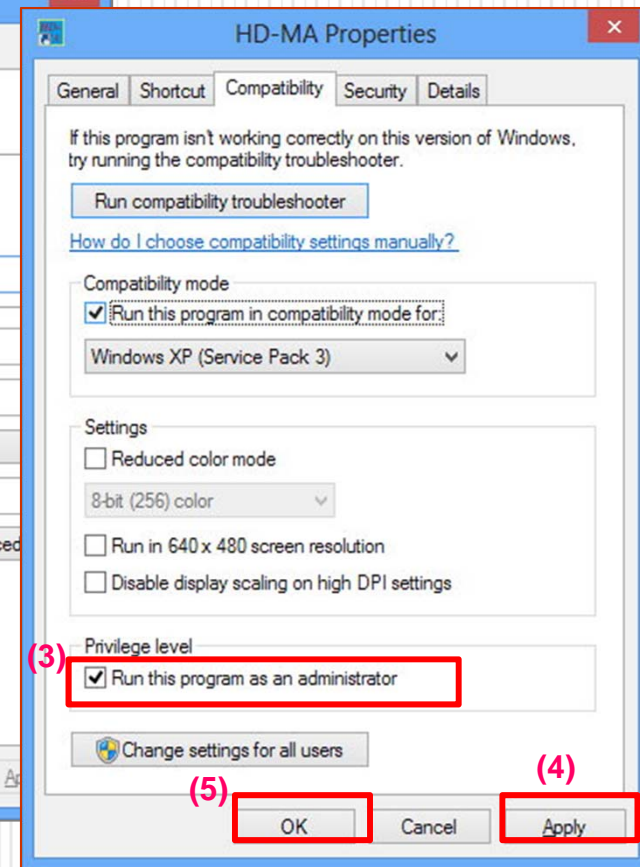
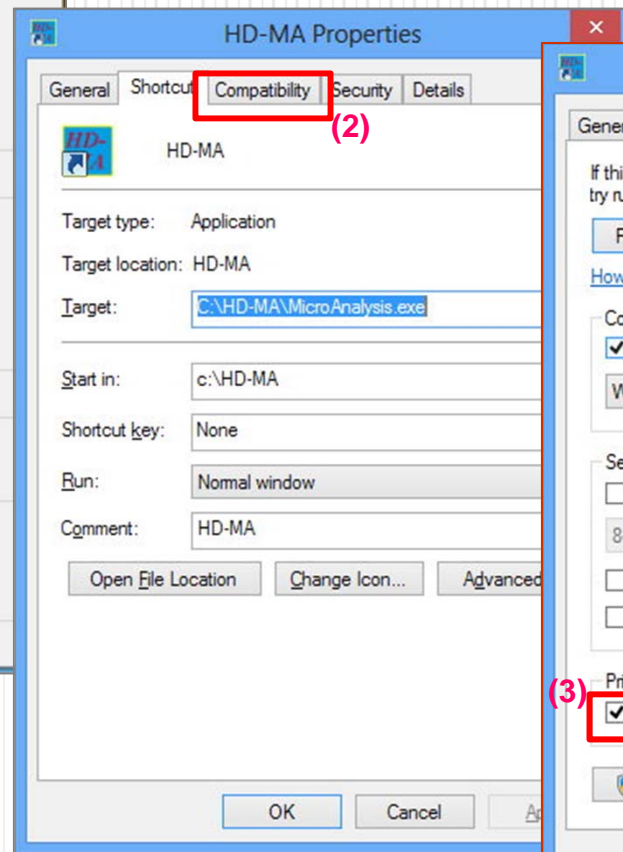
There will be an error message for wrong regist code. Please check again and input the correct regist code in order to enter the software.



Please press with the right mouse on “HD-MA” icon, then select the “Properties” item.



Kindly entry the “Compatibility” path and select “Privilege Level” as “Run this program as an administrator”, then press “Apply” & “OK” to complete software system compatibility setting.



HD-MA Image Comparison System Date 2013/11/25

before

Image1

Image2

Image3

Image4

Image5

Image6

after

Image1

Image2

Image3

Image4

Image5

Image6

The camera's resolution: VGA 640\*480

**The image resolution is defaulted on "VGA 640 x 480"**

Live Enter Exit

New Client

ID  Name

ADD

TEL

History

New Client Old Client Comparison



**HD-01 camera resolution is defaulted on VGA 640 x 480. You can even enjoy the best high clarity especially under 1280 x 720 HD mode.**

**\*Suggestion: optimum computer screen resolution "1366x768 (or up)"**

**When you press "MODE" switch (on control box of HD-01) to 1280 x 720 HD mode, the software view window will be switched to resolution: HD1280 x 720.**

**\* Remark: For HD-01e Easy Scope, only default resolution VGA 640 x 480 available.**

HD-MA Image Comparison System Date 2013/11/25

before

Image1

Image2

Image3

Image4

Image5

Image6

after

Image1

Image2

Image3

Image4

Image5

Image6

**When you press "MODE" switch to 1280 x 720 HD mode, the software view window will be switched to resolution: HD1280 x 720.**

The camera's resolution: HD 1280\*720

Live Enter Exit

New Client

ID  Name

ADD

TEL

History

New Client Old Client Comparison

Save Delete



# HD-MA Image Comparison System

Date 2013/11/25

before



Image1



Image2

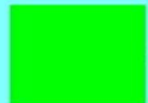


Image3



Image4

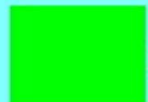
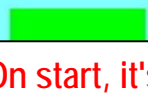


Image5



## Home page

### (Image capture and clients data set up)

- (1) Normal inspection: 50x, 200x, 50RN, 1x, Iris lens available.
- (2) We provide left / right (before / after) 6 spaces each side for you to capture pictures.
- (3) When the lens is well installed on unit, please power on the unit and enter HD-MA software.
- (4) If you do not assign to find old client, generally system is defaulted on "new client" page.
- (5) Firstly please press "Frame Freeze" button on probe to make view window live.

after



Image1



Image2



Image3



Image4



Image5



Image6

On start, it's default on "New Client" button.

Live

Enter **b**

Exit

New Client

Old Client

Comparison

New Client

ID

Name

ADD

TEL

History

Save

Delete

# HD-MA Image Comparison System

Date 2013/11/25

before



Image1



Image2



Image3



Image4



Image5



Image6

**Step 1**

- (1) Any green empty space is available to click in blue frame in order to capture, freeze, save image.
- (2) When find the target area to capture image, click "Freeze" (or press "Frame Freeze") button at first and "Enter" button after. Now save the image captured in the blue frame.

after

Image1



Image2



Image3



Image4



Image5



Image6



**Step 2**

**Step 3**

Freeze

Enter

Exit

New Client

New Client

Old Client

Comparison

ID

Name

ADD

TEL

History

Save

Delete



# HD-MA Image Comparison System

Date 2013/11/25

before



Image1



Image2



Image3



Image4

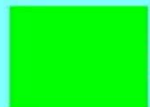


Image5



Image6

(3) If you want to get another new image for the assigned captured blue frame, click "**Live**" (or press "Frame Freeze" to capture again.

(4) After find a new target area, click "**Freeze**" (or press "Frame Freeze" at first and click "**Enter**" to save new image in the blue frame.

after



Image1



Image2



Image3



Image4



Image5



Image6

Step 1

Step 2, click "Freeze"

Step 3

Live

Enter

Exit

New Client

Old Client

Comparison

New Client

ID

Name

ADD

TEL

History

Save

Delete

# HD-MA Image Comparison System

Date 2013/11/25

before



Image1



Image2



Image3



Image4



Image5



Image6

after



Image1



Image2



Image3



Image4



Image5

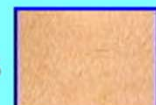


Image6

After image / video record is finished, please set up new client data before save it.

(Or you are also able to set up new client data on home page at first before starting record.)

Error



Please input a client's ID and name

OK

\* If not set up new client at first, it will appear an error message window on the page when you click "save" button.

Live

Enter

Exit

New Client

Old Client

Comparison

New Client

ID

Name

ADD

TEL

History

Save

Delete

# HD-MA Image Comparison System

Date 2013/11/25

before



Image1



Image2



Image3



Image4



Image5



Image6

after



Image1



Image2



Image3



Image4

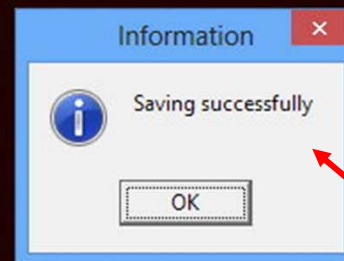


Image5



Image6

After click "Save" button, the system will need time for process. When you see "Saving successfully", then you can operate next step.



Freeze

Enter

Exit

New Client

Old Client

Old Client

Comparison

ID KW0006

Name Fenny Shih

ADD No. 123, Wonderland Road, TaiChung City, Taiwan

TEL +886-4-22226666

History

Save

Delete

# HD-MA Image Comparison System

Date 2013/11/25

before



Image1

after



Image1



Image2



Image3



Image4



Image5



Image6

ID

Name

Search

Previous

ID

Name

ADD

## Old client page

Click “Old client” from Home page , key in client’s ID or name , click “Search” , it will start to find client data ; if you need all clients data , click “Search” to start search process.

Exit

History

Save

Delete

Old Client

ADD

TEL

11

Comparison



# HD-MA Image Comparison System

Date 2013/11/25

before



Image1



after

Image1



Image2



Image3



Image4



Image5



Image6



ID

Name

Search

Previous

ID	Name	
KW0001	Apple An	No. 33, Sec. 7, Chung Shan Road, Taipei City, Taiwan
KW0002	Barbara Ben	7F, No. 7, Tzu Chiang Road, Chung Ho Dist. New Taipei City
KW0003	Candy Choi	No. 1, Ren Ai Road, Keelung City, Taiwan
KW0004	Diana Dan	No. 4, Flower Street, Hualiang City, Taiwan
KW0005	Elena Shih	3F, No.3, Sec. 3, San Ho Road, Taipei City, Taiwan
KW0006	Penny Shih	No. 123, Wonderland Road, TaiChung City, Taiwan

Select client at first, double click with left mouse for entering old client's data.

Exit

History

Old Client

ADD

TEL

Save

Delete

Comparison

# HD-MA Image Comparison System

Date 2013/11/26

before



Image1



Image2



Image3



Image4



Image5



Image6

The camera's resolution: VGA 640\*480

Old client page

after



Image1



Image2



Image3



Image4



Image5



Image6

Live

Enter

Exit

New Client

Old Client

Old Client

Comparison

ID KW0001

Name Apple An

ADD No. 33, Sec. 7, Chung Shan Road, Taipei City, Taiwan

TEL +886-2-87654321

History

Save

Delete



# HD-MA Image Comparison System

Date 2013/11/26

before



Image1



Image2



Image3



Image4

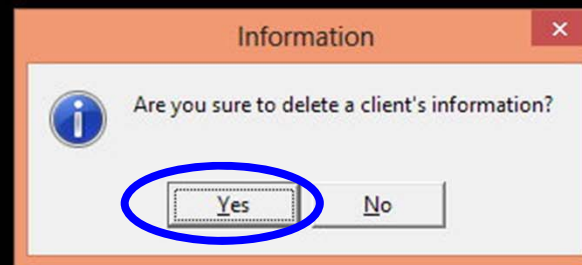


Image5



Image6

Under the selected client history data, when you click "Delete" and click "Yes" on the small window, all history data from this old client will be deleted.  
(Please consider carefully before clicking on "Delete" button.)



after



Image1



Image2



Image3



Image4



Image5



Image6

Live

Enter

Exit

New Client

Old Client

ID KW0001

Name Apple An

ADD No. 33, Sec. 7, Chung Shan Road, Taipei City, Taiwan

TEL +886-2-87654321

History

Save

Delete

Comparison

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HD-MA 圖像比對管理系統 檢測日期 2013/11/26

使用前

圖一

圖二

圖三

圖四

圖五

圖六



目前攝影機解析度: VGA 640\*480

使用後

圖一

圖二

圖三

圖四

圖五

圖六

拍攝 設定 退出軟體

**新客戶** **舊客戶**

會員編號  姓名  調閱資料

客戶查詢  存檔

影像比對  刪除

Under the selected client, when click “History” button you can find all history data of this client. Select the exact date to get history pictures.

(Double click on any picture with the left mouse to enlarge image of the picture.)

HD-MA Image Comparison System Date 2013/09/25

after

Image1

Image2

Image3

Image4

Image5

Image6

### History Data

Records
2013/11/25
2013/11/10
2013/10/30
2013/10/15
2013/10/05
▶ 2013/09/25

Previous Exit

before

Image1

Image2

Image3

Image4

Image5

Image6

New Client

Old Client

Comparison

**Old Client**

ID  Name

ADD

TEL

History

Save

Delete

# HD-MA圖像比對管理系統

檢測日期 2013/11/26

使用前



圖一



圖二



圖三



圖四



圖五



圖六

Under the selected client, when click “Comparison” button, you are able to start comparing history pictures and videos.

使用後



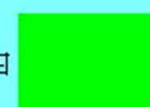
圖一



圖二



圖三



圖四



圖五



圖六

拍 攝

確 定

退出軟體

新客戶

舊客戶

客戶查詢

會員編號 KW0001

姓 名 Apple An

住 址 No. 33, Sec. 7, Chung Shan Road, Taipei City, Taiwan

電 話 +886-2-87654321

調閱資料

存 檔

刪 除

16

影像比對

# HD-MA Image Comparison System

Date 2013/11/26

2013/11/25

before

after



☐ Image1



☐ Image1



☐ Image2



☐ Image2



☐ Image3



☐ Image3



☐ Image4



☐ Image4



☐ Image5



☐ Image5



☐ Image6



☐ Image6

2013/09/25

2013/11/25

2013/11/10

2013/10/30

2013/10/15

2013/10/05

2013/09/25

after



☐ Image1



☐ Image2



☐ Image3



☐ Image4



☐ Image5



☐ Image6



☐ Image3



☐ Image4



☐ Image5



☐ Image6

Delete

4 Frame Comparing

2 Frame Comparing

Previous

## Comparison page

You can individually select any 2 history datas by date on the left side & right side you want to make comparison.

Old Client

ADD No. 33, Sec. 7, Chung Shan Road, Taipei City, Taiwan

TEL +886-2-87654321

Comparison

History

Save

Delete



























# HD-MA Image Comparison System

Date 2013/11/26

2013/11/25

2013/09/25

before		after		before		after	
	<input type="checkbox"/> Image1		<input type="checkbox"/> Image1		<input type="checkbox"/> Image1		<input type="checkbox"/> Image1
	<input type="checkbox"/> Image2		<input checked="" type="checkbox"/> Image2		<input checked="" type="checkbox"/> Image2		<input type="checkbox"/> Image2
	<input type="checkbox"/> Image3		<input type="checkbox"/> Image3		<input type="checkbox"/> Image3		<input type="checkbox"/> Image3
	<input type="checkbox"/> Image4		<input type="checkbox"/> Image4		<input type="checkbox"/> Image4		<input type="checkbox"/> Image4
	<input type="checkbox"/> Image5		<input type="checkbox"/> Image5		<input type="checkbox"/> Image5		<input type="checkbox"/> Image5
	<input type="checkbox"/> Image6		<input type="checkbox"/> Image6		<input type="checkbox"/> Image6		<input type="checkbox"/> Image6

Delete

4 Frame Comparing

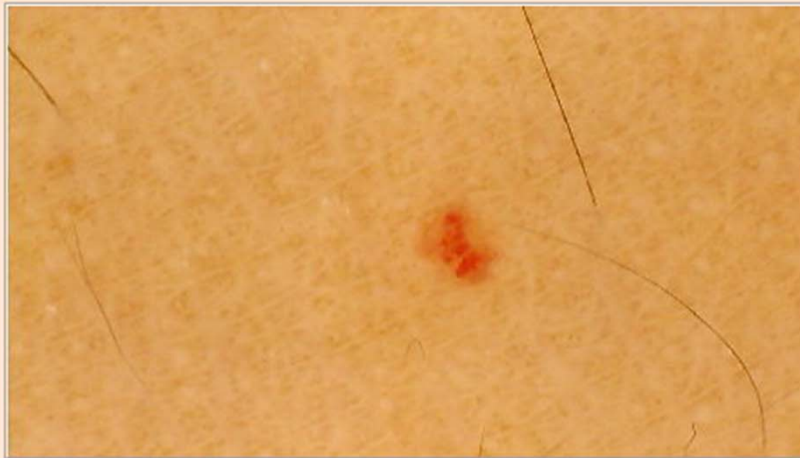
2 Frame Comparing

Previous

## Image Comparison (1) --- 2 Frame Comparing

Choose any 2 image pictures from the pictures, click "2 Frame Comparing" button to start comparison.

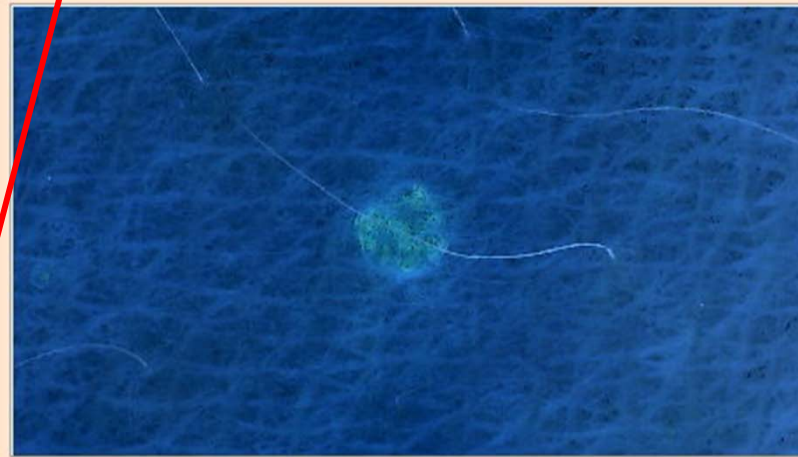
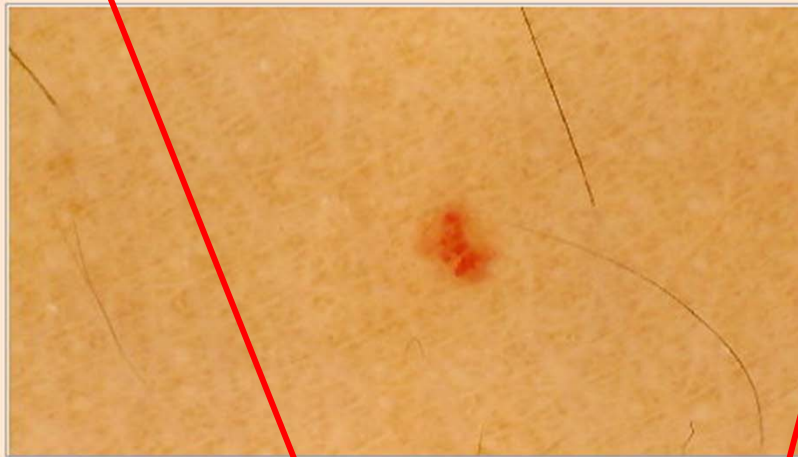
Previous



**2 frame (left and right) picture comparison analysis**

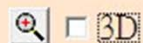


Previous

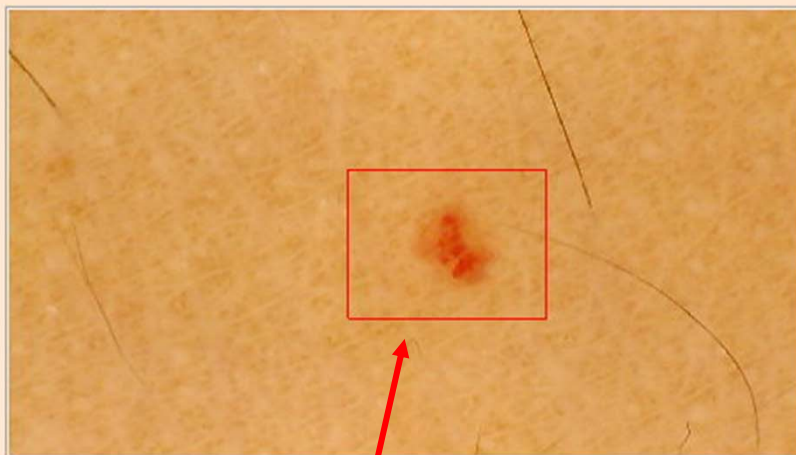


Click "3D" to start negative film function to facilitate analysis

**Enlarge button**



前 頁




**Please move with the left mouse on the partial area you want to enlarge and click it to get a red frame at first. Then click”  “enlarge button to facilitate analysis.**

Previous

 ☐ 3D



























On the selected red frame you are able to see a large part by clicking “  ” icon. To return it to original size, please click the left mouse once.

# HD-MA Image Comparison System

Date 2014/02/20

2014/02/20

2014/01/08

Before		After		Before		After	
	<input checked="" type="checkbox"/> Image1		<input type="checkbox"/> Image1		<input type="checkbox"/> Image1		<input type="checkbox"/> Image1
	<input type="checkbox"/> Image2		<input type="checkbox"/> Image2		<input checked="" type="checkbox"/> Image2		<input type="checkbox"/> Image2
	<input type="checkbox"/> Image3		<input type="checkbox"/> Image3		<input type="checkbox"/> Image3		<input type="checkbox"/> Image3
	<input type="checkbox"/> Image4		<input type="checkbox"/> Image4		<input type="checkbox"/> Image4		<input type="checkbox"/> Image4
	<input checked="" type="checkbox"/> Image5		<input type="checkbox"/> Image5		<input type="checkbox"/> Image5		<input checked="" type="checkbox"/> Image5
	<input type="checkbox"/> Image6		<input type="checkbox"/> Image6		<input type="checkbox"/> Image6		<input type="checkbox"/> Image6

Delete

4 Frame Comparing

2 Frame Comparing

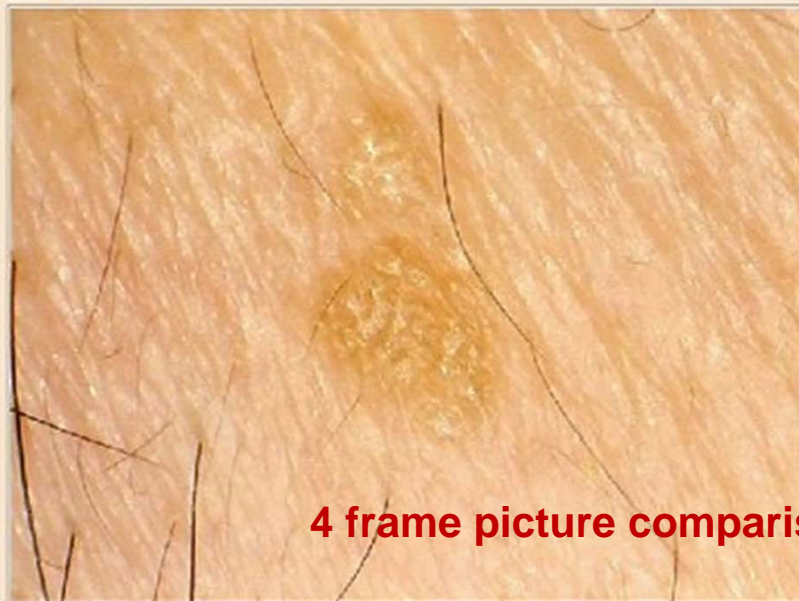
Previous

## Image Comparison (2) --- 4 Frame Comparing

Choose any 4 image pictures from the pictures, click "4 Frame Comparing" button to start comparison.



3D

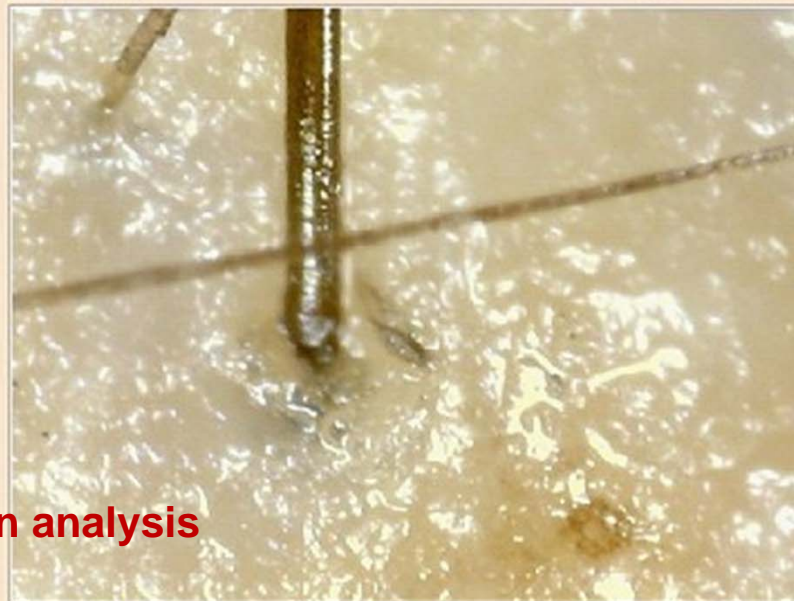


4 frame picture comparison analysis

3D



3D

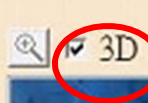


Previous

3D

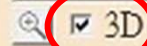






3D button, click "3D" to start negative film function to facilitate analysis

Previous





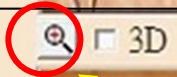
🔍 3D


🔍 3D

Previous

Please move with the left mouse on the partial area you want to enlarge and click it to get a red frame at first. Then click enlarge button to facilitate analysis.

Enlarge button



On the selected red frame you are able to see a large part by clicking “” icon. To return it to original size, please click the left mouse once.

Step 1

# HD-MA Image Comparison System

Date 2013/11/26

2013/11/25

2013/09/25

before

after

before

after



☐ Image1



☐ Image1



☐ Image1



☐ Image1



☐ Image2



If you would like to delete a certain date history of this client, find the date from left selections and click "Delete" at first. Click "Yes" in the window below to complete delete process.

☐ Image2



☐ Image3



☐ Image3



☐ Image4



☐ Image4



☐ Image4



☐ Image5



☐ Image5



☐ Image5



☐ Image6



☐ Image6

☐ Image6



☐ Image6

## Warning



Are you sure to delete history data on 2013/11/25

Yes

No

Step 3

Step 2

Delete

4 Frame Comparing

2 Frame Comparing

Previous

New Client

Old Client

Old Client

Comparison

ID KW0001

Name Apple An

ADD No. 33, Sec. 7, Chung Shan Road, Taipei City, Taiwan

TEL +886-2-87654321

History

Save

Delete



# HD-MA圖像比對管理系統

檢測日期 2013/11/25

使用前



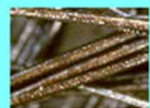
圖一



圖二



圖三



圖四



圖五

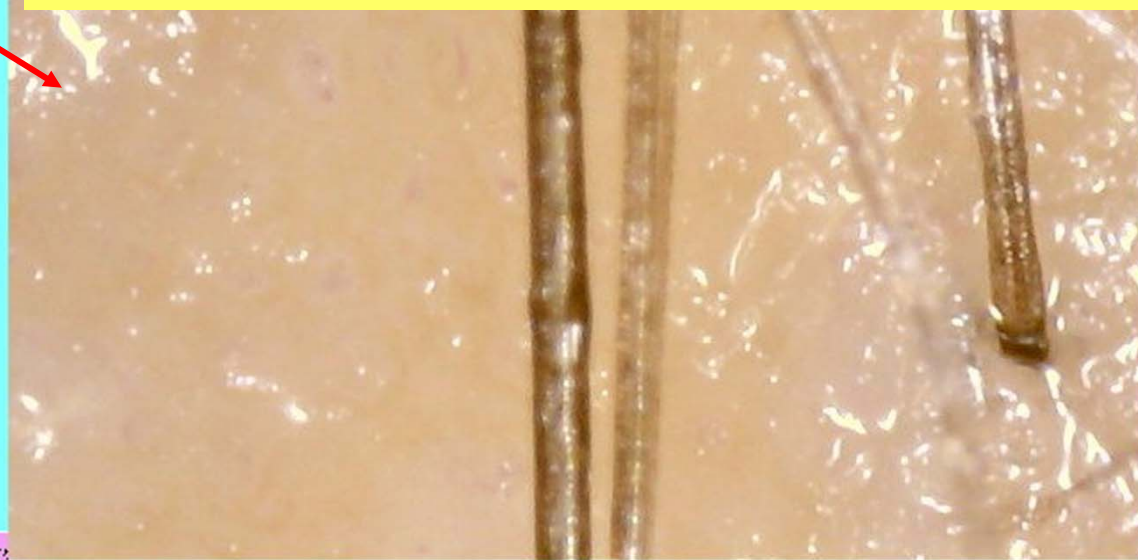


圖六

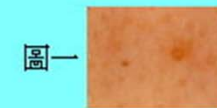
## Some specific functions for captured pictures :

### (A) Picture enlarge :

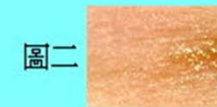
Select one of the picture you would like to enlarge, double click on the frame with the left mouse and the enlarged picture will display on central page. Click once on the enlarged picture with the left mouse to return to the original size of the picture.



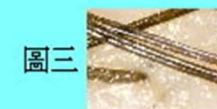
使用後



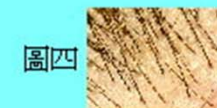
圖一



圖二



圖三



圖四



圖五



圖六

退出軟體

新客戶

客戶查詢

28

影像比對

舊客戶

會員編號 KW0006

姓 名 Fenny Shih

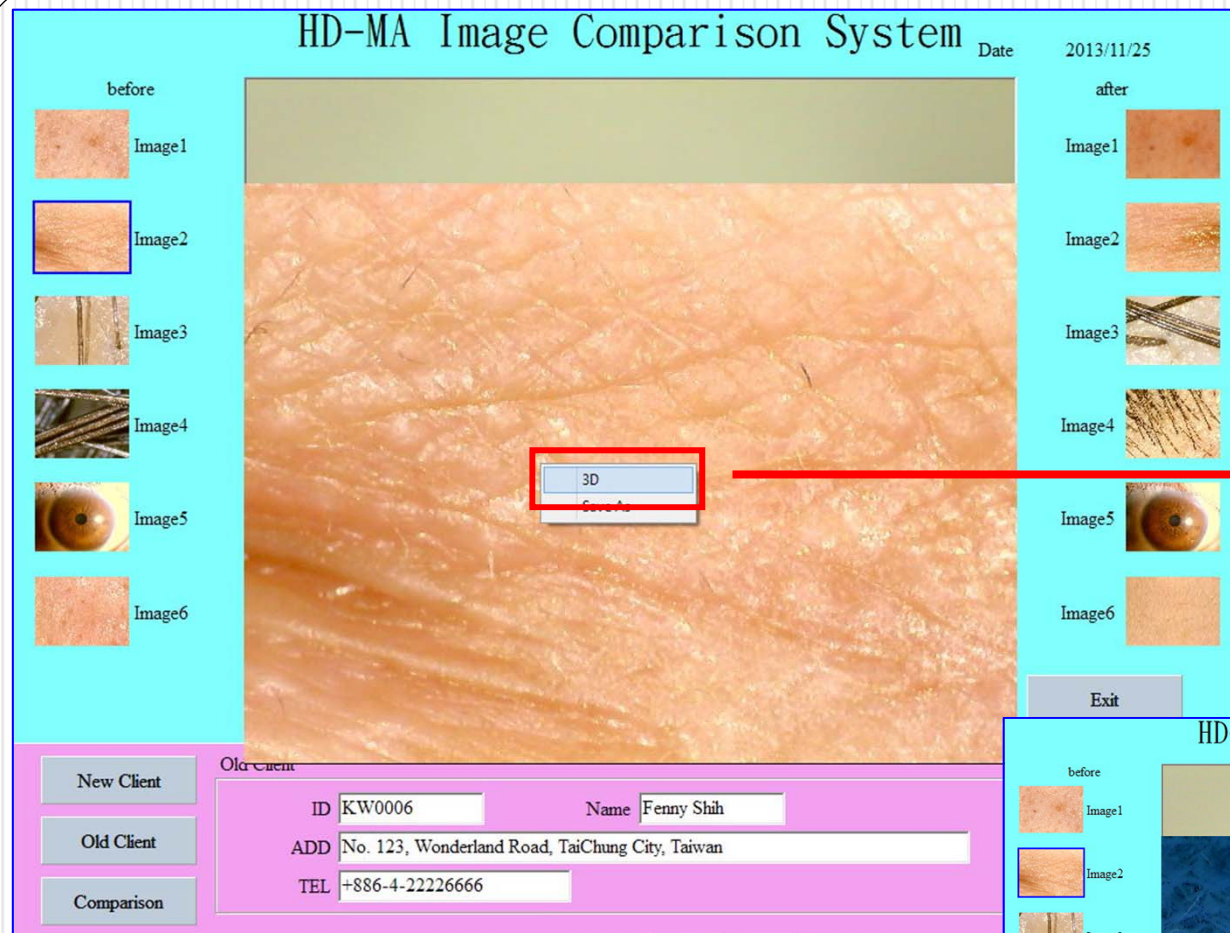
住 址 No. 123, Wonderland Road, TaiChung City, Taiwan

電 話 +886-4-22226666

調閱資料

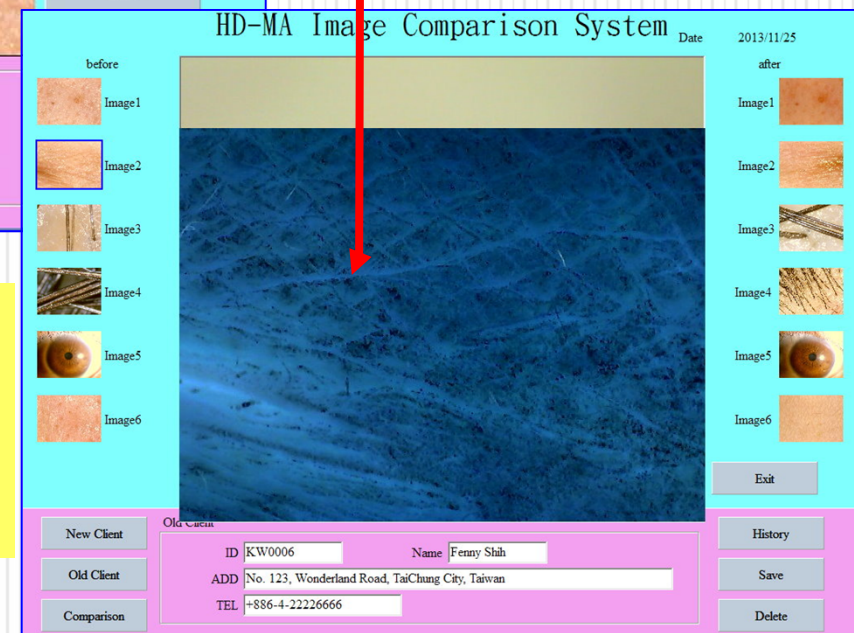
存 檔

刪 除

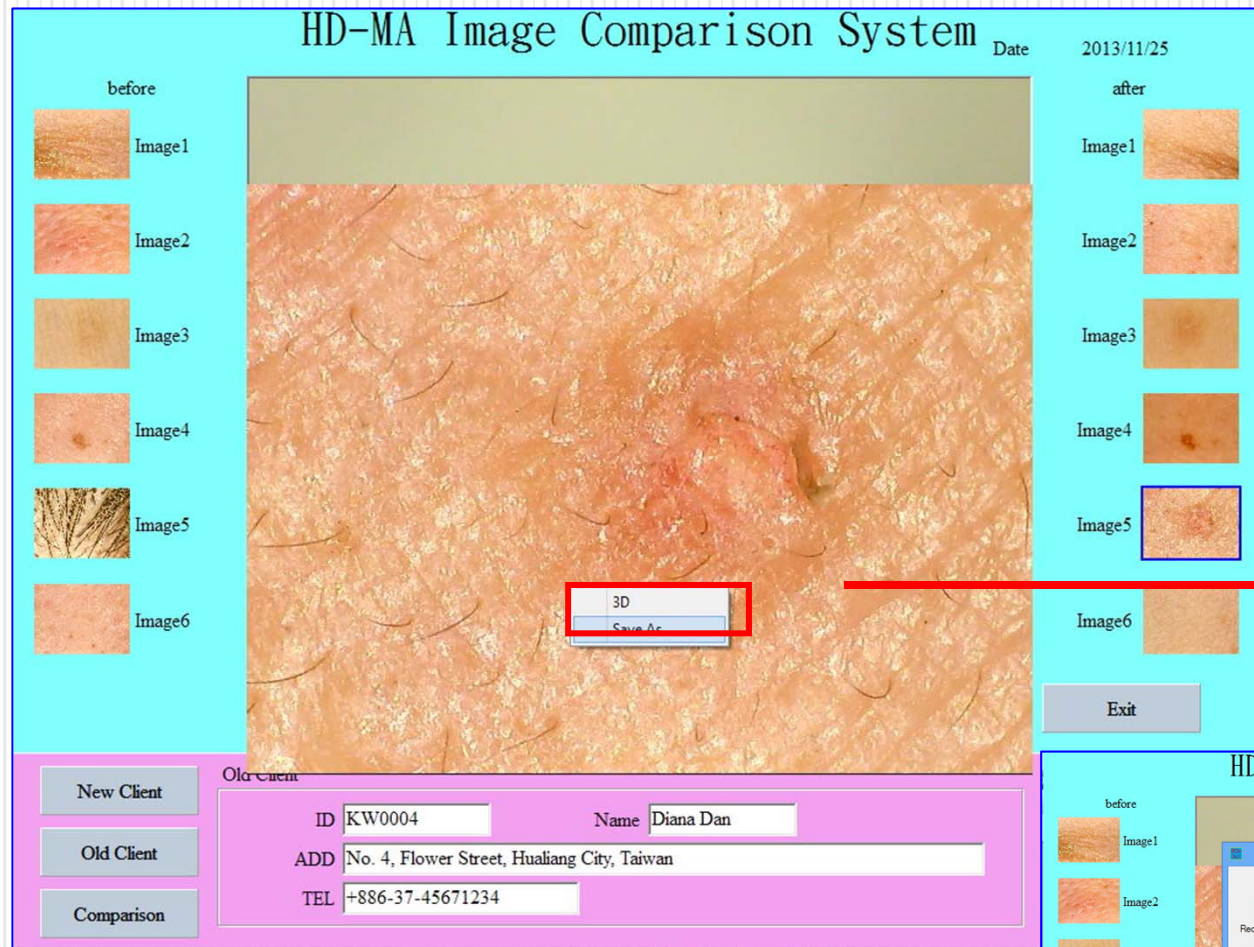


## (B) 3D picture enlarge :

On the enlarged picture, press your right mouse and click "3D", 3D picture will display now. Click once again on the left mouse to return to the original size of the picture.

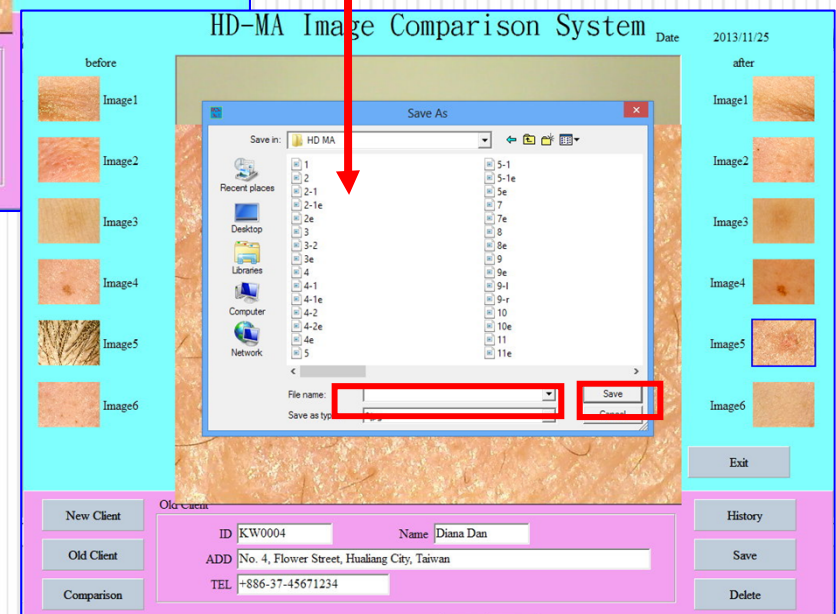


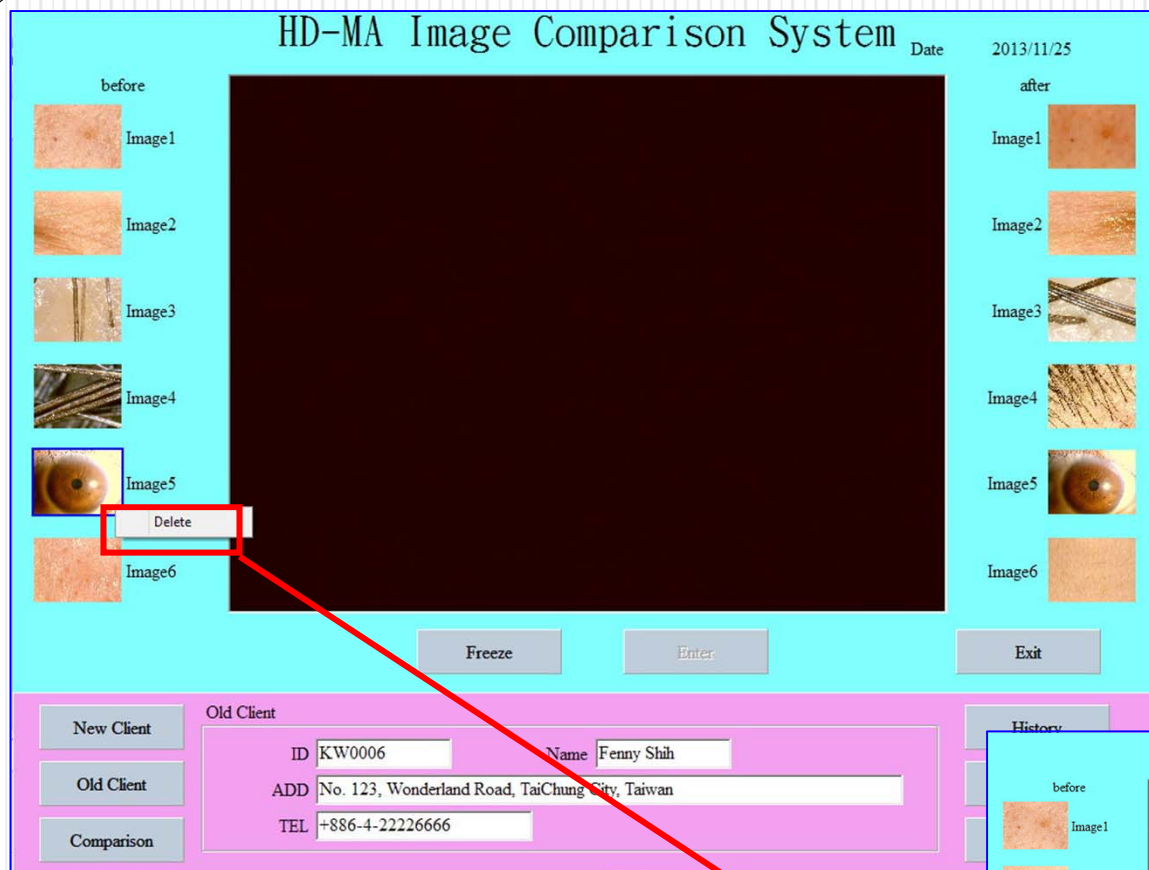




### (C) Save single picture as file to your PC:

On the enlarged picture, press your right mouse and click “**Save as**”, you can save the single picture as file to your computer. Click once again on the left mouse to return to the original size of the picture.

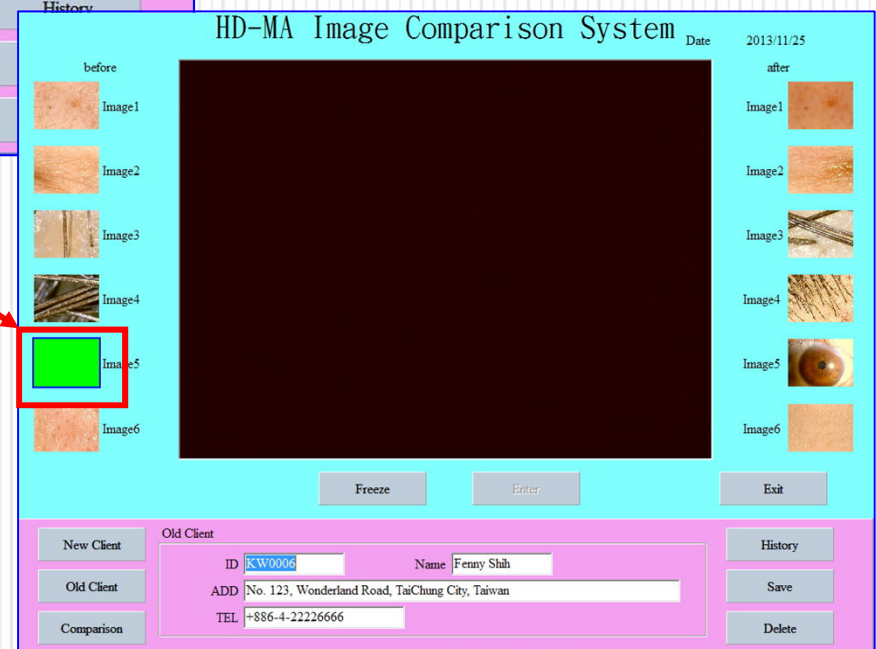




### (D) Delete per picture:

Select one picture of the frame you want to delete, press right mouse on the frame and press “Delete”. This selected picture will appear.

(Or you are also able to capture a new picture on the frame.)





# HD-MA Image Comparison System

Date 2013/11/25

before



Image1



Image2



Image3



Image4



Image5



Image6

after



Image1



Image2



Image3



Image4



Image5



Image6

## Back up / Restore

In this blank area, click right mouse, it will appear “Back up / Restore” function button. We recommend you to back up data to have them completely save up in your computer system.

Freeze

Enter

Exit

New Client

Old Client

Old Client

Comparison

ID KW0004

Name Diana Dan

ADD No. 4, Flower Street, Hualiang City, Taiwan

TEL +886-37-45671234

Backup

Restore

History

Save

Delete

# HD-MA Image Comparison System

Date 2013/11/25

before



Image1



Image2



Image3



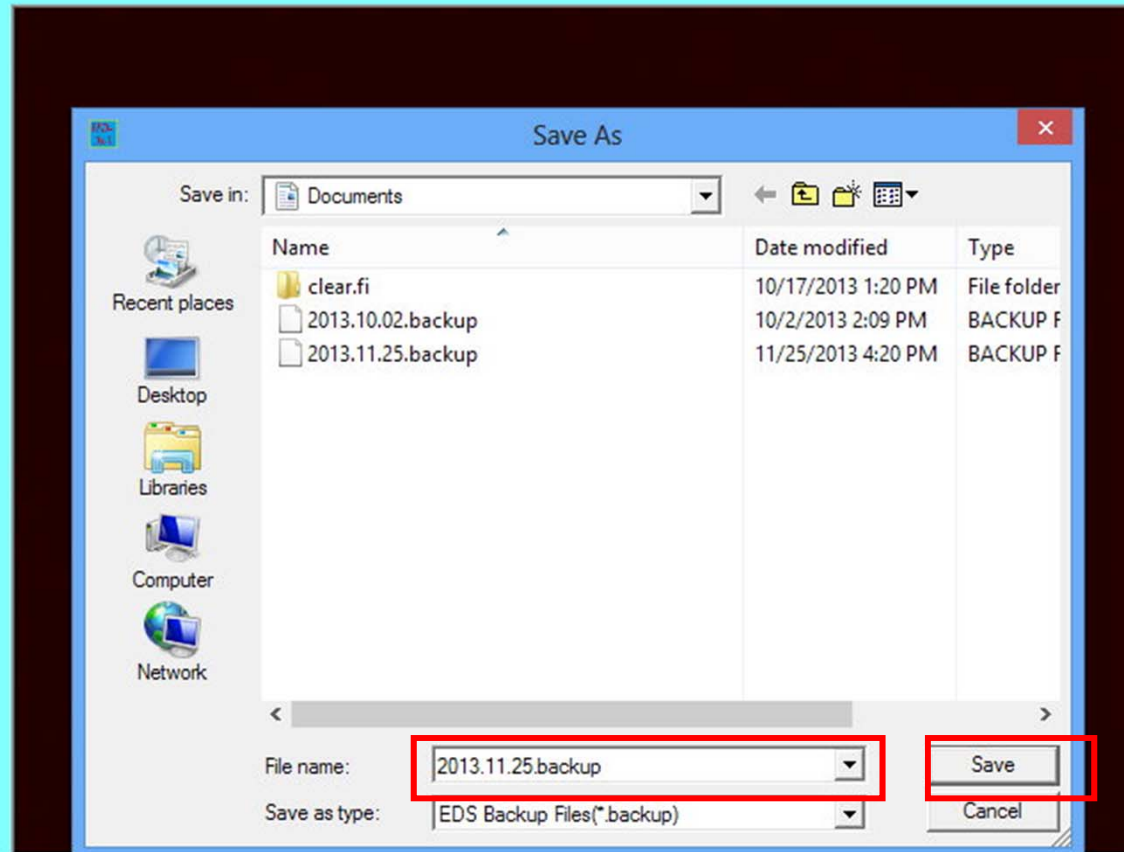
Image4



Image5



Image6



after



Image1



Image2



Image3



Image4



Image5



Image6

Click **“Back up”** to start back up complete data, we recommend you to name it by date on the file and click **“Save”** to store it.

(If you would like to restore old data, click **“Restore”**, select the exact old data to start restore into the system.

New Client

Old Client

Comparison

TEL +886-37-45671234

Exit

History

Save

Delete

# HD-MA Image Comparison System

Date 2013/11/25

before



Image1



Image2



Image3



Image4



Image5



Image6

**Under back up data, when the displays “Data backup successfully” on the page. Now you are rest assured to exit the software.**

Information



Data backup successfully

OK

after



Image1



Image2



Image3

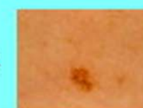


Image4

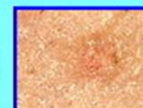


Image5

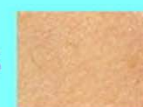


Image6

Freeze

Enter

Exit

New Client

Old Client

Old Client

Comparison

ID KW0004

Name Diana Dan

ADD No. 4, Flower Street, Hualiang City, Taiwan

TEL +886-37-45671234

History

Save

Delete